

The abstract of the disclosure

Disclosed are a protein having a transglutaminase activity, which
comprises a sequence ranging from serine residue at the second position
to proline residue at the 331st position in an amino acid sequence
represented by SEQ ID No. 1 wherein the N-terminal amino acid of the
protein corresponds to serine residue at the second position of SEQ ID
No. 1, a DNA encoding the protein, a transformant having the DNA, and a
process for producing a protein having a transglutaminase activity,
which comprises the steps of culturing the transformant in a medium.
The protein can be produced in a large amount with the transformant
using a host such as E. coli.